THE PATENT GALVANIZED IRON.

TUPPER and CARR,
Owners of Crawshay's Patents, and Engineers to
THE GALVANIZED IRON COMPANY,
Supply patent Galvanized Sheets, plain or corrugated, for roofing &c. Water or Gas Pipes, Castings, Wire of all gauges, Guttering, Hooping, &c. Wholesale, retail, and for export.
An allowance to the trade
WORKS—MILLWALL and BIRMINGHAM.
LONDON OFFICE, 4, HAMMOB-HOUSE PLACE.

IRON BUILDING and ROOFING WORKS,

BIRMINGHAM, late of Smethwick.
JOHN H. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, &c. &c.

PATENTEE
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.

THE CORRUGATED and GALVANIZED IRON ROOF,

PORTABLE BUILDING, AND
SMITH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS,
Offices, 63, Queen-street-place.
JOHN WALKER, sole of the Patentee of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his List of Prices, which, commencing with zero weight, are extremely low.
Models of the patent iron flooring, corrugated or not, and samples; also, drawings of roofs, on peculiar principles, may be had on application.
Drawings of the Iron Bathhouse system of in the Times and other papers see the Exhibitor for February 6th, may be seen by application.
References to firms of the highest class can be given.

MESSRS. FOX and BARRETT beg to

intimate that they have REMOVED their OFFICES from Lowndes-square to the ADELPHI.
These offices form part of a house built entirely upon their improved system of Fire-proof Construction, to the advantages of which, both as regards economy and security from fire, they can readily invite attention.
THAMES CHAMBERS, 12, YORK-BUILDINGS, ADELPHI.

COLLINGE'S PATENT HINGES.—Sole

Manufacturers, CHARLES COLLINGE and CO., 65, Bunhill-row, London, where a great variety are always on view for church, park, cabinet, shop, and other gates and doors of large and small dimensions, a gate of a ton weight moving with these hinges as easily as a casket. Ornamental hinges, adapted for drawing rooms, &c., doors fitted with them may be removed and replaced in an instant. Rising and double-acting spring hinges, and superior gate fastenings, at moderate prices. Also, amusing tricks marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought iron work, for building and other purposes. Engines, machinery, patent axletrees, sugar-mills, &c.

TO FURNISHERS AND OTHERS.

J. JONES, Iron merchant, has always a

great variety of CONICAL and SADDLE BOILERS in STOCK; also fire and furnace bars, ornamental and plain supply cisterns, dowlas doors and frames, furnace mouths, and doors for the same, hot water pipes, elbows, tees, syphons, throttle valves, stop cocks, valves and sundry others, &c.; also wrought iron screws and screws of the above, on application to J. JONES, Iron-bridge-wharf, No. 4, Bankside, London, near the Southwark iron bridge.

IRON FOUNDRY, 80, Goswell-street (late of

Brunswick-st., St. Luke's), and J. JONES's Show-rooms, 41, Aldersgate-street, E.C. PATTERNS, &c. Inform the Trade that they have now ready for sale, Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Copings, Balconies, Window Guards, Verandahs, Ornamental stairrod Panels, Iron Staircases, Plumb Balusters, Tombs Pavements, Lamp and other Brackets, Cantilevers, Metal Baths, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.
BARREL TYPE WORK. Force Backs and Troughs, Rain Water Pipes and Gutters, sash Weights, Furnace Bars, Stoves, Ranges, &c. always in stock.

FOUNDRY AND IRON WORKS,

45, DRURY LANE, and CHARLES-STREET, DRURY-LANE.
GLOVER, BROS.,
Beg to call the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, useful and ornamental.
Patterns of Girders, Columns, Balconies, Railing, Ornamental Screens and Park Gates, Lamp and Street Posts, Tanks, Pipes, Wheels, Pinions, Levers, and Steam-engines; Range and Hot plate Work. An improved short Door Cramp for internal work.
A large stock of Rain-water Pipes, Plain and O.G. Gutters, Air-bricks, Sash Weights, Air-tight Sewer Gratings, Stable Fittings, Hurdles, &c.
Plain and ornamental Vases 20 per cent. cheaper than Terra-cotta.
Estimates given for Iron Buildings, Wrought-iron Roofing, Cornice, Staircases, Wrought-iron Girders, Fire-proof Doors, Bank safes, Cooking Ranges, Tanks and Boilers, and every description of Iron Work for the Trade, and the work executed with every attention to quality and despatch.
GLOVERS' IRONWORKS,
45, DRURY LANE, and CHARLES STREET.

REGISTERED WEATHER BARS AND FASTENINGS. FOR FRENCH CASEMENTS, DOORS, AND WINDOWS.

SCAMELL and WOOLTORTON, wholesale

IRONMONGERS, LOCK MANUFACTURERS, and BRASS FOUNDERS, 24, West Smithfield, London. Sole Manufacturers and Contractors for the sale of the above, confidently recommend it as the most perfect method of making casements and doors to open and shut in a secure fastening. They can be easily applied to all kinds of casements or doors, effectually keeping out dust and wet better than any fastening, have the important advantage of being externally adding, wherever applied, both to neatness and security. Models may be seen, and full particulars had upon application, at Messrs. SCAMELL and WOOLTORTON'S, 24, West Smithfield.

JAMES ARTHUR MILES, Wholesale and

Manufacturing Brass Founder, 13, Panemstone, Queen-street, City, requests the attention of the trade to his stock of BRASS FOUNDERY, BELL CRANKS, and GAS FURNITURE, comprising a greater variety in each department than has hitherto been kept.
The CRANKS are arranged in twelve suites of different drafts and wrenchings, and from one to six flies. Also in the rough, suitable for cutting per pitch, for secret work. BELL-LEVERS and BELL-HANGERS, per pr. every pitch and string.
In BRASS WORK, the whole of the patterns are entirely new. A large assortment of GAS PILLARS, PENDANTS, BRACKETS, and CHANDELIERS kept. CORNICE POLES, DESK RAILS, WINDOW FITTINGS, CASEWORK, and every description of brass work manufactured on the shortest notice.
No IRONMONGERY OF ANY DESCRIPTION KEPT IN STOCK.
Agent for the sale of W. S. KENNEDY'S CHINA DOOR FURNITURE, with brass Patent Spindles and whose stock is kept in the country. This stock is much larger in amount, and contains a greater variety of patterns than any other. Also,
CHINA KEY BOARDS, GARDEN LABELS, CUPBOARD KNOBS, CASTORS, &c., and a continual succession of novelties at the lowest prices. The above articles, in china, may be had retail of all respectable ironmongers throughout the kingdom.

PATENT SOLAR GRATE, with Reverberatory Fire, may be seen in operation daily. This Grate combines every modern improvement.—The LARGEST STOCK and BEST ARRANGEMENT of STOVE GRATES, KITCHEN RANGES, FENDERS, FIRE IRONS, HOT-AIR STOVES, and Ironfounders' Goods of every description, may be seen at MAPPLEBECK and LOWE'S Show Rooms and Warehouses, Bull Ring, Smithfield, and Gloucester-street, Birmingham. (The Midland Counties General Furnishing Ironmongery establishment.)

PATENT FIRE LUMP STOVES.—

Drawing-room, Dining-room, Library, and every description of Register Stoves manufactured under Lemlie's Patent. The bottom, sides, and back of the Patent Fire Lump Stove are composed of one fire-brick, which, from its peculiar and scientific construction, effects a great saving in fuel. It has no bottom grating, and the only metallic substance which comes in contact with the fire is the bars. Several new and elegant patterns have been designed expressly for this Stove, which for cheapness in first cost, economy of fuel, and powers of radiating heat, is unsurpassed. Hundreds of them are now in use, and have received unqualified approval.—DEANE, DRAY, and DEANE, Stove, Range, and Fender Manufacturers, and Furnishing Ironmongers, London-bridge.

STOVES, RANGES, &c.

HAYWARD, BROTHERS,

198, Blackfriars-road, and 117 and 118, Union street, Borough,
IRONMONGERS, and MANUFACTURERS
Of Self-acting Ranges, Elliptic and Register Stoves, Arnott's Valves, &c.
SOLE MANUFACTURERS OF
HENLY'S patent improved KITCHEN RANGE, with hot plate, Wolfenden's patent radiating and reflecting Register Stoves, and SHERINGHAM'S VENTILATOR.

CLARK and HUNT'S IRONMONGERY,

STOVE and METAL WAREHOUSE, 180, Shoreditch.
Strong Elliptic Stoves, with extra beak, 3½d. per inch.
Register Stoves, 5d. per inch.
A.R. Self-acting Cottage Ranges, with Oven and Boilers, 20s. each.
A.R. Self-acting ditto, with wrought bars and bright fittings, 30s. each.

Cast Rain-water Pipe	2	3	3 inch.	
	3d.	10d.	1s. per yard.	
Cast Gutters—4 inch, 6d. per yard				
O.G. Gutters		4	6	inch.
		11d.	1s. per yard.	
Best Cut Clasp	1½	1¾	2	2½ 3 inch.
and Nose	14s 6d.	16s.	17s. 6d.	19s. per cwt.

Flood Flooring Brads, 11s. 6d. per cwt.
1 inch Cut Lath, 14s. Cast Lath, 3s. 6d.
4 inch 3-Bolt Rd. Ward Mortice, with best Furniture and Patent Spindles, 2s. 6d.
Light Elliptic and Register Metal, 12s. per cwt.
Hot Water Pipes 4s. 6d. per cwt.
Dr. Arnott's Ventilators, 5s. each.
An extensive stock of bar, rod, hoop, and sheet iron.

TO BUILDERS and CARPENTERS.—

Elliptic Stoves, double backs, 3½d. per inch.
Register Stoves, 5d. 6d. 6½d. 7½d. per inch.
Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings—

2 ft., 2l. 15s.	3 ft. 4 in., 3l. 7s.	4 ft., 4l. 15s.
5 feet Cottage Range, with ovens and back boilers, 12s. each.			
5-feet self-acting ditto, ditto			32s. each.

Air Bricks, 3s. 6d. per doz.—4 inch Cut Lath Nails, 12s. 6d. per cwt.
Best Patent Cut Clasp

1½	11	2	2½	3 inch and larger,
14s. 6d.	14s.	13s.	12s. 6d.	12s. per cwt.

Best Sheet Floor Brads, 11s. 6d. per cwt.
Best Town Glue, 2s. Ditto, scotch, 1s. per cwt.
Best Patent Sash Line.

1	2	3	4	5	6
4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.

ALEX. R. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 18, Chiswell-street, Finsbury-square.
Lists of Prices had on applications at the Warehouse, or by letter, pre-paid, inclosing postage stamps.—Warehouse closes at 7 o'clock.

TO BUILDERS AND CARPENTERS, &c.

J. H. BOOBBYER and CO., late Sturch

and Boobbyer, Ironmongery, Brass Founders, Nail, and Tool Warehouse, No. 14, Stanhope-street, Clare-market, London, for the supply of Carpenters, Builders, Cabinet-makers, Upholders, &c., at wholesale prices.
Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Pine Cut Clasp and Nose.

14s. 6d.	14s. 6d.	12s. 6d.	12s.	12s. 6d.	per cwt.
1½	1¾	2	2½	3	inch.

Best Bright Tower Bolts.

1s. 3d.	1s. 7d.	2s. 3d.	2s. 6d.	per dozen.
3	4	5	6	inch.

Best Patent Sash Line.

4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.
No. 1	2	3	4	5	6

Cast Lath Nails, 10s. per cwt. Air Bricks, 3s. 6d. per dozen.
DR. ARNOTT'S VENTILATORS.
10 by 7 inches ..... 5s. each.
16 by 8 ..... 8s. ..
An assortment in Brass, Screws, Gilt, &c.
An extensive stock of Mortise Locks, Drawback Locks, Iron Rim Locks and Latches, of every description, at very reduced prices; also Door Furniture, in china, amber, cryst, al, ivory, ebony, buffalo horn, brass, &c., with Finger-plates, Bell-pulls, and Levers en suite.
B. and Co. are the inventors of SHIFTING BOLT MORTISE LOCKS, &c., so universally approved of.—Established nearly 50 years, for the supply of goods from the best manufactories of the lowest prices.

TO BUILDERS, CARPENTERS, AND OTHERS.

BENJAMIN WALMSLEY, IRON-

MONGER, BRASSFOUNDER, STOVE and RANGE MANUFACTURER, 126 and 127, LONDON-ROAD, Southwark, for the supply of builders, carpenters, cabinet-makers, upholders, hind makers, millwrights, &c., at wholesale prices:—
Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.

Best Cut Clasp	1½	1¾	2	2½	3 in.
and Nose	14s. 6d.	14s.	13s. 6d.	12s. 6d.	12s. per cwt.

Cast Lath, 3s. 6d. per cwt., Sash Weights, 5s. per cwt.
Sash Pulleys, 3s. per gross.
Cast Butts, per dozen pair:—3-in., 10d.; 3½-in., 1s. 2d.; 3-in., 1s. 3d.
Iron Rain-water ... 2½ ... 3 in.
pipe ... 9d. ... 10d. ... 1s. 1d. per yard.
Half Round ... 5d. ... 6d. ... 4 in.
Gutter ... 7d. ... 8½d. ... 9½d. ..
O.G Gutter ... 4 ... 4½ ... 5 in.
... 10d. ... 1s. ... 1s. 6d. ..
Air Bricks, 3s. 6d. per dozen. Hooping for Bond, 4s. 6d. per cwt.
Dr. Arnott's Ventilators, 4s. 6d. each.
3 ft. Self-Acting Cottage Ranges, with Oven and Boiler, 30s. each.
A.R. ditto, with Wrought Bars and Bright Fittings, 40s. each.
Register Stoves, with Double Backs, 3d. per inch.
Elliptic Stoves, with Double Backs, 2½d. per inch.
Bright Register Stoves, with Two Sets of Bars, from 3l. each.
An excellent variety of Black and Bright Register Stoves kept ready for use at all prices, to which the attention of architects and builders is respectfully invited.
A large assortment of Rim, Mortice, Drawback, Iron Gate, and other kinds of Locks and Latches. An extensive stock of neat and cheap Door Furniture, in Brass, Porcelain, Glass, and Fancy Woods.
Finger Plates, Levers, and Bell pulls en suite.
Bar, Hoop, Sheet and Rod Iron, and Spring Steel.
The stock of this establishment is too extensive to be described in the limits of an advertisement; and the most correct idea that can be given of it is by saying that every trade connecting Ironmongery can here select whatever they require at wholesale prices.
WALMSLEY'S, 126 and 127, LONDON ROAD, SOUTH-WARK, six doors from the Obelisk.

TO ARCHITECTS AND BUILDERS.

THWAITES and REED, original inventors

of the spiral downspring, beg to call the attention of the trade to those manufactured by them, which, for durability and ease in working, are superior to any other; they have been in an upwards of twenty-five years at the Bank of England, and many other public establishments.—To be had only at their manufactory for church and house clocks, exercising machines, wind dials, &c. 4, Resource-street, Clerkenwell. Established 1760.

WARMING by HOT WATER.—

J. WEEKS and Co., KING'S-ROAD, CHELSEA, solicit the honour of Architects to inspect their Hot-Water Apparatus, which is to be seen on their premises, an extensive operation. Ornamental Pedestals and Stands of Rounds great variety, applicable for warming churches, manshons, conservatories, baths, offices, &c. conservatories, &c.—TUBULAR BOILERS of all sizes warranted to be the most efficient and economical of any yet introduced.—J. WEEKS and Co., Hot-Water Apparatus Manufacturers, King's-road, Chelsea.

TO ARCHITECTS AND BUILDERS.

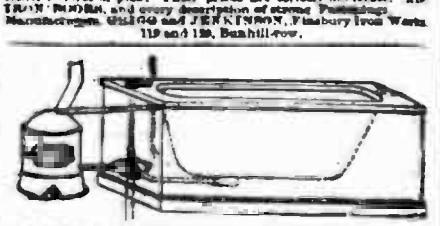
CHUBB'S WROUGHT-IRON and FIRE-

PROOF DOORS and FRAMES, for Strong Rooms. A large stock of the above, of all sizes, made in the best manner, and of different strengths, fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, constantly on sale, at very moderate prices. FIRE-PROOF SAFES of every size, and Patent Detector Locks and Latches for all purposes.—C. CHUBB and SON, sole Manufacturers, 57, St. Paul's Churchyard, London.

FIRE-PROOF BOOK-SAFES AND DEED-BOXES.

GRIGG and JENKINSON beg to offer to

BANKERS, MERCHANTS, SOLICITORS, and MEN of BUSINESS in general requiring safe deposits for VALUABLE PAPERS, &c., a medium of security in their Wrought-iron Safes and Boxes, which cannot be surpassed. They embrace in a peculiar manner all requisites—fastness—great strength and economy, as drawings submitted to FIRE, and LOCKS which it is impossible either to force or pick. Their prices are strictly moderate. Also IRON BEDSTEADS, and every description of strong Furnishing Manufactures. GRIGG and JENKINSON, Finsbury Iron Works, 119 and 120, Bunhill-row.



BATHS.—J. TYLOR and SON'S improved

APPARATUS, consisting of copper or galvanized iron baths coated with enamelled white or chroma marbles inside, copper circulating boiler, with three-way cock for hot, cold, and waste water, complete, 16 MOVEABLE, and does not require any BRICK-WORK. Manufacturers of every description of boilers and coil pipes for heating baths or public buildings, hospitals, union workhouses, asylums, &c.—Apply to Ironmongers or Plumbers, or to the Manufacturers, Warwick-lane, London.

IRON and BRASS CASTINGS at very

REDUCED PRICES.—Builders, Engineers, Railway Companies and others requiring Cast-Iron or Brass Work, may be supplied to any extent at very reduced prices.—Apply to Mr. MAPLESTON, 2, Bouverie-street, who will furnish estimates for every description of work, upon receiving drawings or particulars.

SAMUEL HOOD and Co., Castings Ware-

house, 61, Upper Thames-street. REGISTERED STABLE FITTINGS. Enamelled Mangers, with double hay-racks, or with enamelled water-troughs on one side.—Also, girders, columns, hot water pipes, rain water pipes, cast, gutters, sash weights, &c., at the lowest prices.

TO ARCHITECTS, BUILDERS, AND BRICK-MAKERS.

PUMPS of Superior CONSTRUCTION,

bored perfectly true by improved machinery, in various plain and ornamental patterns for Conservatories, Squares, Market Places, Roads, Gardens, and for Liquid Manure. BRICK-MAKERS' PUMPS, in Wrought and Cast Iron. HYDRAULIC LIFT PUMPS, and ENGINES for Wells of any depth. SINGLE and DOUBLE PUMPS up to twelve-inch bore, kept for Hire.
BENJ. FOWLER (late of St. Dunstan-street), removed to the new Factory, Whitmore-street, Pitfield-street.

FARM AND COTTAGE PUMPS.

PATENT CAST-IRON

PUMPS, for the use of Farms, Cottages, Manure Tanks, and shallow Wells.

Patent Pump	£1 16 0
Patent Pump, with 15 feet of lead pipe attached, and bolts and nuts ready for fixing	2 12 0

Larger sizes if required.
May be obtained of any Ironmonger or Plumber in Town or Country, or of the Patentees and Manufacturers,
JOHN WARNER and SONS,
4, Crescent, Jewin-street, London.
Every description of Machinery for Raising Water, Fire, Engines, &c.
The usual allowance to the Trade.

CHURCH and TURRET BELLS

cast to any weight, and tuned. Ship, plantation, house, sheep, cup, and clock bells of any size.

MUSICAL HAND BELLS

Tuned to the chromatic scale, with improved clappers, and peeled on a new system, which gives a superior tone and facility for ringing.
Memorial Brasses, Pulpit Lights, and Brackets, &c.
Old Bells recast or taken in exchange.

J. WARNER and SONS,
BELL FOUNDERS & ENGINEERS, &c.

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